



Building Inspection Division
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Residential Smoke and Carbon Monoxide Alarm Requirements

Effective January 01, 2011, **all** residential permits exceeding \$1000 in valuation will require smoke & carbon monoxide detectors throughout the residence. Smoke & carbon monoxide detectors **must** be installed in accordance with the **2010 California Residential Code (CRC)** and will be verified at the permit final

Smoke Alarms shall be installed in the following locations:

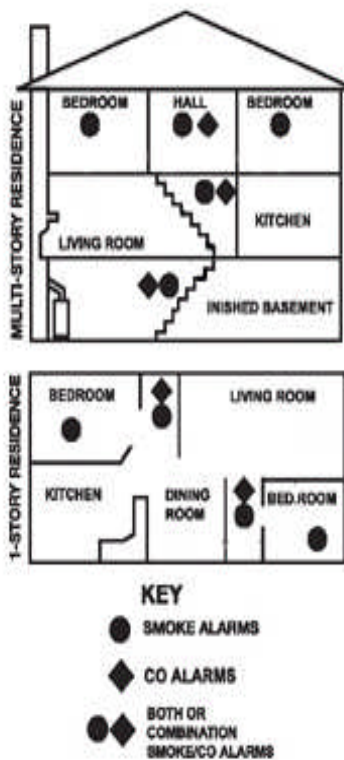
- In each sleeping room.
- Outside each sleeping area in the immediate vicinity of the bedrooms.
- On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics

Carbon Monoxide Alarms shall be installed in the following locations:

- Outside of each separate dwelling unit sleeping area in the immediate vicinity of the bedroom(s).
- On every level of a dwelling unit including basements.

Power and Interconnection

- Power must be supplied by the buildings primary power source for both smoke and carbon monoxide detectors and they must have a battery back up.
For existing buildings where walls are not being opened a battery only device may be used.
- Where more than one smoke detectors is installed they must be interconnected
- Where more than one Carbon monoxide alarm is installed they must be interconnected
- Interconnection is not required in existing dwelling units where repairs do not result in the removal of wall and ceiling finishes, there is no access by means of attic, basement or crawl space, and no previous method for interconnection existed.



Smoke Alarms (CRC Section R314)

Alterations, repairs and additions.

When alterations, repairs or additions requiring a permit occur, or when one or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be equipped with smoke alarms located as required for new dwellings.

Carbon Monoxide Alarms (CRC Section R315)

Where required in existing dwellings.

Where a permit is required for alterations, repairs or additions exceeding \$1000, existing dwelling units that have attached garages or fuel burning appliances shall be provided with carbon monoxide alarms.